

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for ISOMENTHONE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Acinos suaveolens	Shoot	1090.0	3255.0	0.04526454076518935	Tumen, G. 1991. The Volatile Constituents of Acinos suaveolens (Sibt. et Smith). G. Don fil. Growing in Turkey. J. Ess. Oil Res. 3:191-2.
Acinos suaveolens	Essential Oil				Jim Duke's personal files.
Agastache pallidiflora	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Agastache urticifolia	Plant		962.0	-0.41845686609644556	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Agathosma betulina	Leaf Essent. Oil				--
Agathosma betulina	Leaf	5250.0	8750.0	2.193021261596281	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Barosma betulina	Leaf	5250.0	8750.0	2.193021261596281	--
Calamintha nepeta	Plant		10.0	-0.7102609508633784	J. Ethnopharmacology, 39: 167.
Calamintha nepeta	Leaf		465.0	-0.5269160366559925	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
Cistus ladaniferus	Leaf	23.0	1610.0	-0.15101643418177982	--
Dracocephalum thymiflora	Plant		216.0	-0.6471184703360799	--
Glechoma hederacea	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
Hedeoma drummondii	Plant	13.0	3809.0	0.45419673614248024	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Hedeoma pulegioides	Pollen Or Spore		8000.0		--
Hedeoma pulegioides	Essential Oil				--
Hedeoma pulegioides	Plant	48.0	9300.0	2.137281010780324	--
Lepechinia calycina	Plant		10.0	-0.7102609508633784	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Mentha x piperita	Leaf	30.0	1000.0	-0.3512773577706616	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mentha longifolia	Shoot	0.0	16065.0	2.323453721592974	--
Mentha aquatica	Shoot				Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
Mentha aquatica	Leaf	30.0	170.0	-0.62376353248996	--
Mentha arvensis var. piperascens	Leaf	300.0	600.0	-0.4825959961896006	--
Mentha spicata	Leaf	50.0	125.0	-0.6385368793120907	--
Mentha aquatica	Shoot				Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
Mentha aquatica	Shoot				Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
Mentha spicata	Essential Oil				--
Mentha pulegium	Plant	0.0	8420.0	1.8675461425083695	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Mentha aquatica	Shoot				Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
Mentha aquatica	Shoot		0.1	-0.5336018108879219	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
Mentha pulegium	Essential Oil	12000.0	421000.0	1.0	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Micromeria fruticosa	Leaf	1110.0	7080.0	1.6447659461972108	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of Micromeria congesta. J. Ess. Oil Res., 3: 387-393.
Micromeria myrtifolia	Shoot		0.0	-0.5336195953467887	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of Micromeria myrtifolia Boiss. et Hohen. J. Ess. Oil Res., 4: 79-80.
Micromeria thymifolia	Leaf		695.0	-0.4514078195651026	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of Micromeria congesta. J. Ess. Oil Res., 3: 387-393.
Micromeria croatica	Leaf		600.0	-0.4825959961896006	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of Micromeria congesta. J. Ess. Oil Res., 3: 387-393.
Micromeria fruticosa	Shoot		245.0	-0.49004767112330644	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of Micromeria fruticosa (L.) Druce subsp. barbata (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res 3: 477-479.
Micromeria juliana	Leaf		230.0	-0.6040657367271192	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of Micromeria congesta. J. Ess. Oil Res., 3: 387-393.
Micromeria congesta	Leaf		80.0	-0.6533102261342213	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of Micromeria congesta. J. Ess. Oil Res., 3: 387-393.
Micromeria fruticosa	Shoot		245.0	-0.49004767112330644	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of Micromeria fruticosa (L.) Druce subsp. barbata (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res 3: 477-479.
Micromeria dalmatica	Leaf		0.0	-0.6795739538180091	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of Micromeria congesta. J. Ess. Oil Res., 3: 387-393.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Minthostachys mollis</i>	Shoot	23.0	44.0	-0.5257944334454286	Alkire, B.H., Tucker, A.O., and Maciarelo, M.J. 1994. Tipo ( <i>Minthostachys mollis</i> (Lamiaceae): An Ecuadorian Mint. Econ. Bot. 48(1): 60-64.
<i>Moldavica thymiflora</i>	Plant		216.0	-0.6471184703360799	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda citriodora</i>	Plant		34.0	-0.7029045453650523	--
<i>Monarda punctata</i>	Plant	24.0	243.0	-0.6388425141504631	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda didyma</i>	Leaf	15.0	25.0	-0.6713665389168254	--
<i>Monarda lindheimeri</i>	Plant		18.0	-0.7078088156972697	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda didyma</i>	Flower				Flavour and Fragrance Journal, 6: 80.
<i>Monarda russeliana</i>	Plant		207.0	-0.6498771223979521	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda fistulosa</i>	Plant	12.0	146.0	-0.6685746530395309	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pelargonium graveolens</i>	Essential Oil	8.0	38.0	-1.0	--
<i>Pelargonium roseum</i>	Shoot		1188.0	-0.32234022401006673	--
<i>Pelargonium citrosum</i>	Shoot		155.0	-0.5060536841033612	Matsuda, B. M., et al. 1996. Essential Oil Analysis and Field Evaluation of the Citrosa Plant ' <i>Pelargonium citrosum</i> ' as a Repellent Against Populations of <i>Aedes</i> Mosquitoes. J. Am. Mosq. Contr. Assoc. 12(1):69-74.
<i>Pycnanthemum pycnanthemoides</i>	Shoot	390.0	580.0	-0.43046973391976956	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum muticum</i>	Shoot	29.0	2100.0	-0.16014595914551252	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum clinopodioides</i>	Shoot	21.0	528.0	-0.4397176525304678	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum torreyi</i>	Shoot		310.0	-0.4784877728599336	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pycnanthemum albescens</i>	Shoot	80.0	270.0	-0.4856015564066246	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pilosum</i>	Leaf	494.0	2940.0	0.2856180385611923	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum montanum</i>	Shoot	42.0	4848.0	0.3285709705121574	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum californicum</i>	Shoot		3708.0	0.12582813943146462	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum virginianum</i>	Shoot	102.0	22533.0	3.4737525210929046	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum tenuifolium</i>	Shoot	1.0	10580.0	1.347976152752974	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pilosum</i>	Flower	494.0	2940.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum incanum</i>	Shoot	352.0	931.0	-0.36804628329755623	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum verticillatum</i>	Shoot		147.0	-0.5074764408126994	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum beadlei</i>	Shoot		35.0	-0.5273950347434341	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum setosum</i>	Shoot	180.0	279.0	-0.4840009551086191	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ribes nigrum</i>	Bud				--
<i>Satureja douglasii</i>	Plant	13.0	4277.0	0.5976466433598379	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Satureja grandiflora</i>	Shoot		965.0	-0.3619995672828689	Carnat, A., Chossegros, A., and Lamaison, J. 1991. The Essential Oil of <i>Satureja grandiflora</i> (L.) Scheele from France. J. Ess. Oil Res., 3: 361-362
<i>Satureja glabella</i>	Plant		7040.0	1.4445528263546226	--